

ATLANTIC COUNTY

REFERENCE TIDE GAUGE - ATLANTIC CITY

The Atlantic City tide gauge is located on the oceanfront at the Trump Pier.

Back Bays

The larger back bays of Atlantic County (from north to south) include Great Bay, Little Bay, Reeds Bay, Absecon Bay, Lakes Bay, Scull Bay and Great Egg Harbor Bay. There are a number of smaller bays and channels within and behind the barrier islands.

High tides on the back bays of Atlantic County occur up to about 1½ hours later than the high tides on the oceanfront. Low tides occur up to about 2 hours later.

The back bays present a problem during prolonged periods of onshore flow. For each successive tide cycle that the back bays are not allowed to drain, the water levels increase.

Data Acquisition

In order to access data from the Atlantic City gauge, use the National Ocean Service web site at <http://tidesonline.nos.noaa.gov/>.

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The tide heights from actual events referenced in the following table are those that were verified by the National Ocean Service. They may vary slightly from figures found in other National Weather Service publications.

In the table an asterisk (*) indicates that location experiences back bay type flooding. Being that the reference gauge is on the oceanfront, the tide level associated with that particular location may vary somewhat from event to event based on the number of tide cycles during which there is an onshore flow.

THE PERIOD OF RECORD FOR THE ATLANTIC CITY GAUGE BEGINS IN AUGUST 1911. PLEASE NOTE THAT THERE ARE GAPS WITHIN THE PERIOD OF RECORD DUE TO EQUIPMENT OUTAGES AND/OR DATA AVAILABILITY.

ALL HEIGHTS ARE IN MEAN LOWER LOW WATER (**MLLW**).

- 9.0 FT — December 11, 1992.
- 8.8 FT — September 14, 1944 (Hurricane) / October 29, 2012 (Post Tropical Cyclone Sandy).
- 8.6 FT — September 27, 1985 (Hurricane Gloria) / October 31, 1991.
- 8.4 FT — March 6, 1962 / August 9, 1976 (Hurricane Belle).
- 8.2 FT — November 25, 1950.

8.0 FT — MAJOR TIDAL FLOODING BEGINS.

March 29, 1984.

7.8 FT — October 25, 1980 / January 4, 1992.

7.6 FT — January 2, 1987 / March 19, 1996.

7.5 FT — October 14, 1977 / March 2, 1994 / June 4, 2012.

7.4 FT — December 22, 1972 / October 18, 2009.

7.3 FT — October 23, 1953 / December 20, 1995 / October 7, 2006 /
November 13, 2009.

7.2 FT — September 12, 1960 (Hurricane Donna) / October 22, 1961 /
December 9, 1973 / September 25, 1977 / September 26, 1992 (Tropical
Storm Danielle) / November 14, 1997 / February 5, 1998 /
October 29, 2011.

7.1 FT — November 1, 1947 / January 23, 1966 / February 19, 1972 /
November 15, 1981 / December 13, 1996 / January 28, 1998 /
January 25, 2000 / January 3, 2003 / December 11, 2003 / May 25, 2005 /
January 31, 2006.

7.0 FT — MODERATE TIDAL FLOODING BEGINS.

November 30, 1944 / August 28, 1971 (Tropical Storm Doria) /
December 2, 1974 / February 26, 1979 / January 10, 1993 /
December 6, 1996 / December 25, 2002 / May 12, 2008 / March 9, 2013.

6.9 FT — Flooding begins in Pleasantville*.

Flooding occurs along Longport Boulevard (NJ Route 152) between
Somers Point* and Longport*.

Flooding occurs along Atlantic County Route 559 in Somers Point* (the
section between US Route 9 and the traffic circle).

6.7 FT — Flooding begins around Absecon Inlet in Atlantic City.

Flooding occurs in Longport between 11th Street and 24th Street.

6.5 FT — Flooding begins on the north end of Brigantine*.

Flooding occurs on Absecon Creek in Absecon* along Absecon
Boulevard (US Route 30), Shore Road and New Road (US Route 9).

Flooding begins in Margate*.

Flooding occurs along Bay Avenue in Somers Point*.

6.3 FT — Flooding occurs on the White Horse Pike (US Route 30 - Absecon
Boulevard) in Absecon* and Atlantic City*.

Flooding begins along the back bays in Atlantic City* and Ventnor*.

Flooding occurs on the Black Horse Pike (US Routes 40 and 322) in West
Atlantic City*.

Flooding occurs along US Route 9 at the north end of the Beeselys Point
Bridge*.

6.0 FT — MINOR TIDAL FLOODING BEGINS.

5.7 FT — Flooding begins at the most susceptible locations in West Atlantic City*.

-1.8 FT — BLOWOUT TIDE.

- 2.8 FT — March 12, 1918 / February 27, 1920 / February 22, 1924 /
December 18, 1926 / March 5, 1927 / March 20, 1928 / March 15, 1930 /
November 7, 1930 / February 14, 1934 / December 28, 1935 /
January 16, 1942 / December 11, 1943 / May 11, 1945 /
December 30, 1947 / December 11, 1954 / February 12, 1955 /
February 26, 1975 / October 22, 1976.
- 2.9 FT — January 18, 1920 / December 7, 1923 / April 20, 1928 / January 20, 1929 /
October 30, 1932 / November 15, 1933 / December 8, 1939 /
January 6, 1943 / February 8, 1943 / January 24, 1945 / March 13, 1949 /
April 3, 1954 / January 19, 1957 / February 9, 1958 / February 20, 1960 /
February 27, 1960 / January 30, 1975 / April 7, 1982.
- 3.0 FT — November 19, 1911 / December 26, 1924 / February 21, 1928 /
January 22, 1947 / February 16, 1953 / April 14, 1953 / January 2, 1969 /
February 8, 1985.
- 3.1 FT — April 2, 1923 / January 23, 1925 / February 4, 1927 / December 30, 1928 /
February 14, 1930 / December 7, 1931 / January 28, 1932 /
March 9, 2005.
- 3.2 FT — December 28, 1911 / December 28, 1912 / February 15, 1923 /
December 1, 1929 / January 25, 1939 / March 7, 1939 /
February 15, 1946 / February 26, 1956 / January 28, 1963 /
December 1, 1963 / March 17, 1976 / December 22, 1976.
- 3.3 FT — March 3, 1912 / November 25, 1912 / December 8, 1913 /
January 7, 1924 / January 23, 1924 / February 14, 1942 / March 5, 1954 /
November 30, 1958.
- 3.4 FT — March 7, 1913 / January 14, 1918 / March 28, 1919 / March 7, 1920 /
March 3, 1950 / March 28, 1955 / December 31, 1962 /
December 10, 1977 / March 16, 1980.
- 3.5 FT — March 11, 1933 / December 20, 1934 / March 19, 1941 /
October 26, 1980.
- 3.6 FT — December 1, 1944 / November 30, 1955.
- 3.7 FT — January 6, 1912 / February 27, 1925 / February 10, 1933 /
March 24, 1940 / February 8, 1951 / February 25, 1967.
- 3.8 FT — February 23, 1912 / November 17, 1925 / December 28, 1925 /
December 26, 1966.
- 3.9 FT — January 4, 1913 / January 29, 1926.
- 4.0 FT — January 26, 1928 / January 31, 1966.
- 4.1 FT — January 25, 1936 / February 2, 1976.
- 4.2 FT — March 8, 1932.
- 5.2 FT — January 10, 1978.